ABSTRACT

A "Desktop Projector", comprising a small projector, preferably supported by a mechanical arm, and a separate reflective screen, for use in lieu of a conventional computer monitor, provides substantial benefits in terms of reduced eyestrain. The projector in this application is basically a display engine with plastic enclosure, controls and user interface to form the finished product. The screen can be hung on a wall or from a ceiling or stand upright on an office desk, or could be the wall itself or a coating on the wall. The mechanical arm enables the user to control the distance from the screen to the projector, while providing a secure support for the projector and minimizing the need for monitor desk space. The arm can rotate a full circle either at the vertical cylinder or at the resting plate. This flexibility allows the projector to face the screen at the correct angle for various distances at any clamping position on the office desk. The invention maximizes the image size and the distance between the user and the image, reducing eyestrain, and provides a reflection in the image path between the projector and the user, further reducing eyestrain.